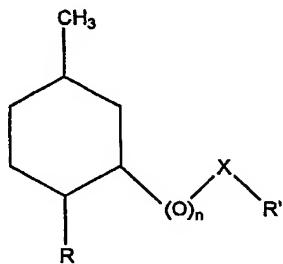


What is claimed is:

1. A method for repelling insects from a site which comprises applying to said site an insect repelling amount of a compound of the formula:



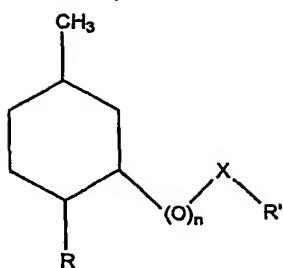
wherein  $\text{R}$  represents a straight or branched chain, substituted or unsubstituted lower alkyl radical, or a straight or branched chain, substituted or unsubstituted lower alkenyl radical;  
 $\text{X}$  represents a carbonyl linking group ( $-\text{C}(=\text{O})-$ ) or a valence bond;

$n$  is 0 or 1; and

$\text{R}'$  represents a radical selected from the group consisting of substituted or unsubstituted hydroxyalkyloxy and substituted or unsubstituted hydroxyalkyl, when  $n$  is 1; and  $\text{R}'$  represents an alkylamine radical when  $n$  is 0.

2. The method of claim 1 wherein the compound of Formula I is applied in the form of a composition, also including a suitable carrier, the amount of said compound being from about 1 wt% to about 80 wt% based on the total weight of said composition.

3. The method of claim 2, wherein the amount of said compound is from about 1 wt% to about 30 wt%, based on the total weight of said composition.
4. The method of claim 1, wherein the compound of Formula I is selected from the group consisting of menthol propyleneglycol-carbonate and isopulegol propyleneglycol-carbonate, said compound being in enantiomerically pure form or in racemic form.
5. The method of claim 1, wherein the compound of Formula I is racemic menthol propyleneglycol-carbonate.
6. The method of claim 1, wherein the compound of Formula I is isopulegol propyleneglycol-carbonate.
7. The method of claim 1 wherein said site is the integument of at least one living animal.
8. The method of claim 7 wherein said at least one living animal comprises humans.
9. The method of claim 7, wherein said at least one living animal comprises livestock.
10. The method of claim 7, wherein said site is the integument of a plant, plant part or seed.
11. An insect repellent composition comprising a compound of the formula:



wherein  $\text{R}$  represents a straight or branched chain, substituted or unsubstituted lower alkyl radical, or a straight or branched chain, substituted or unsubstituted lower alkenyl radical;  
 $\text{X}$  represents a carbonyl linking group ( $-\text{C}(=\text{O})-$ ) or a valence bond;

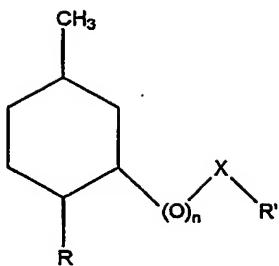
$n$  is 0 or 1; and

$\text{R}'$  represents a radical selected from the group consisting of substituted or unsubstituted hydroxyalkyloxy and substituted or unsubstituted hydroxyalkyl, when  $n$  is 1; and  $\text{R}'$  represents an alkylamine radical when  $n$  is 0;

and a sustained release carrier.

12. The composition of claim 11, wherein said carrier is in the form of microtubules comprising halloysite clay.

13. A cosmetic or personal care composition, selected from the group of a perfume, cologne, deodorant, anti-perspirant, skin cream, soap, shampoo, hair conditioner, hair rinse, bath oil, talc, sunblock or sunscreen, said composition comprising a compound of the formula:

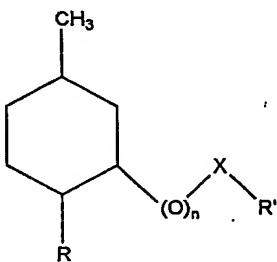


wherein  $\text{R}$  represents a straight or branched chain, substituted or unsubstituted lower alkyl radical, or a straight or branched chain, substituted or unsubstituted lower alkenyl radical;  
 $\text{X}$  represents a carbonyl linking group ( $-\text{C}(=\text{O})-$ ) or a valence bond;

$n$  is 0 or 1; and

$\text{R}'$  represents a radical selected from the group consisting of substituted or unsubstituted hydroxyalkyloxy and substituted or unsubstituted hydroxyalkyl, when  $n$  is 1; and  $\text{R}'$  represents an alkylamine radical when  $n$  is 0.

14. A household cleaning composition selected from the group of a cleanser, detergent, fabric softener or air freshener, said composition comprising a compound of the formula:



wherein  $\text{R}$  represents a straight or branched chain, substituted or

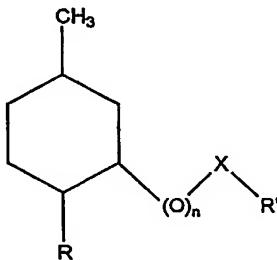
unsubstituted lower alkyl radical, or a straight or branched chain, substituted or unsubstituted lower alkenyl radical;

X represents a carbonyl linking group (-C(=O)-) or a valence bond;

n is 0 or 1; and

R' represents a radical selected from the group consisting of substituted or unsubstituted hydroxyalkyloxy and substituted or unsubstituted hydroxyalkyl, when n is 1; and R' represents an alkylamine radical when n is 0.

15. An article of manufacture in the form of a fabric in which is incorporated a compound of the formula:



wherein R represents a straight or branched chain, substituted or unsubstituted lower alkyl radical, or a straight or branched chain, substituted or unsubstituted lower alkenyl radical;

X represents a carbonyl linking group (-C(=O)-) or a valence bond;

n is 0 or 1; and

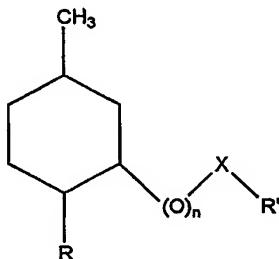
R' represents a radical selected from the group consisting of substituted or unsubstituted hydroxyalkyloxy and substituted or

unsubstituted hydroxyalkyl, when n is 1; and R' represents an alkylamine radical when n is 0.

16. The article of claim 15, wherein said fabric is a non-woven, woven or knit fabric.

17. The article of claim 15, wherein said fabric is mosquito netting.

18. A method of rendering a fabric insect repellent, said method comprising incorporating into said fabric a compound of the formula:



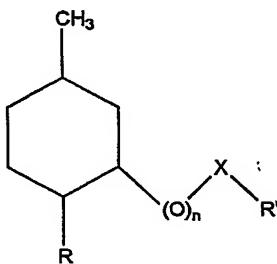
wherein R represents a straight or branched chain, substituted or unsubstituted lower alkyl radical, or a straight or branched chain, substituted or unsubstituted lower alkenyl radical; X represents a carbonyl linking group (-C(=O)-) or a valence bond;

n is 0 or 1; and

R' represents a radical selected from the group consisting of substituted or unsubstituted hydroxyalkyloxy and substituted or unsubstituted hydroxyalkyl, when n is 1; and R' represents an alkylamine radical when n is 0.

19. The method of claim 18, wherein said compound is incorporated into said fabric by spraying, impregnation or padding.

20. A coating composition comprising a compound of the formula:



wherein  $\text{R}$  represents a straight or branched chain, substituted or unsubstituted lower alkyl radical, or a straight or branched chain, substituted or unsubstituted lower alkenyl radical;  $\text{X}$  represents a carbonyl linking group ( $-\text{C}(=\text{O})-$ ) or a valence bond;

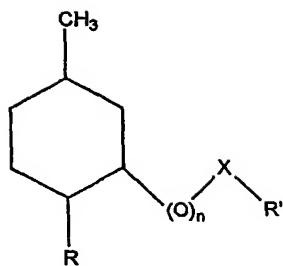
$n$  is 0 or 1; and

$\text{R}'$  represents a radical selected from the group consisting of substituted or unsubstituted hydroxyalkyloxy and substituted or unsubstituted hydroxyalkyl, when  $n$  is 1; and  $\text{R}'$  represents an alkylamine radical when  $n$  is 0;

and a synthetic polymer film former.

21. A method for protecting an inanimate surface from infestation by insect pests said method comprising applying to said surface a coating composition comprising a compound of the

formula:



wherein  $\text{R}$  represents a straight or branched chain, substituted or unsubstituted lower alkyl radical, or a straight or branched chain, substituted or unsubstituted lower alkenyl radical;  $\text{X}$  represents a carbonyl linking group ( $-\text{C}(=\text{O})-$ ) or a valence bond;

$n$  is 0 or 1; and

$\text{R}'$  represents a radical selected from the group consisting of substituted or unsubstituted hydroxyalkyloxy and substituted or unsubstituted hydroxyalkyl, when  $n$  is 1; and  $\text{R}'$  represents an alkylamine radical when  $n$  is 0.

22. The method according to claim 18, wherein said coating composition is applied to said surface by brushing, spraying or dipping.